ABSTRACT OF THE DISCLOSURE

Data are transmitted only at FEXT interval. Data transmission is stopped at NEXT interval. Concretely, in a dual bit map system, a NEXT-use bit map is set so that the transmission rate becomes zero. This setting is forcibly done on a receiving side where the bit map is created. Moreover, while the data transmission is being stopped, the operation of the transmission digital filter, transmission analog filter and the like of an xDSL modem is stopped to avoid wasteful power consumption.